

FIG.1

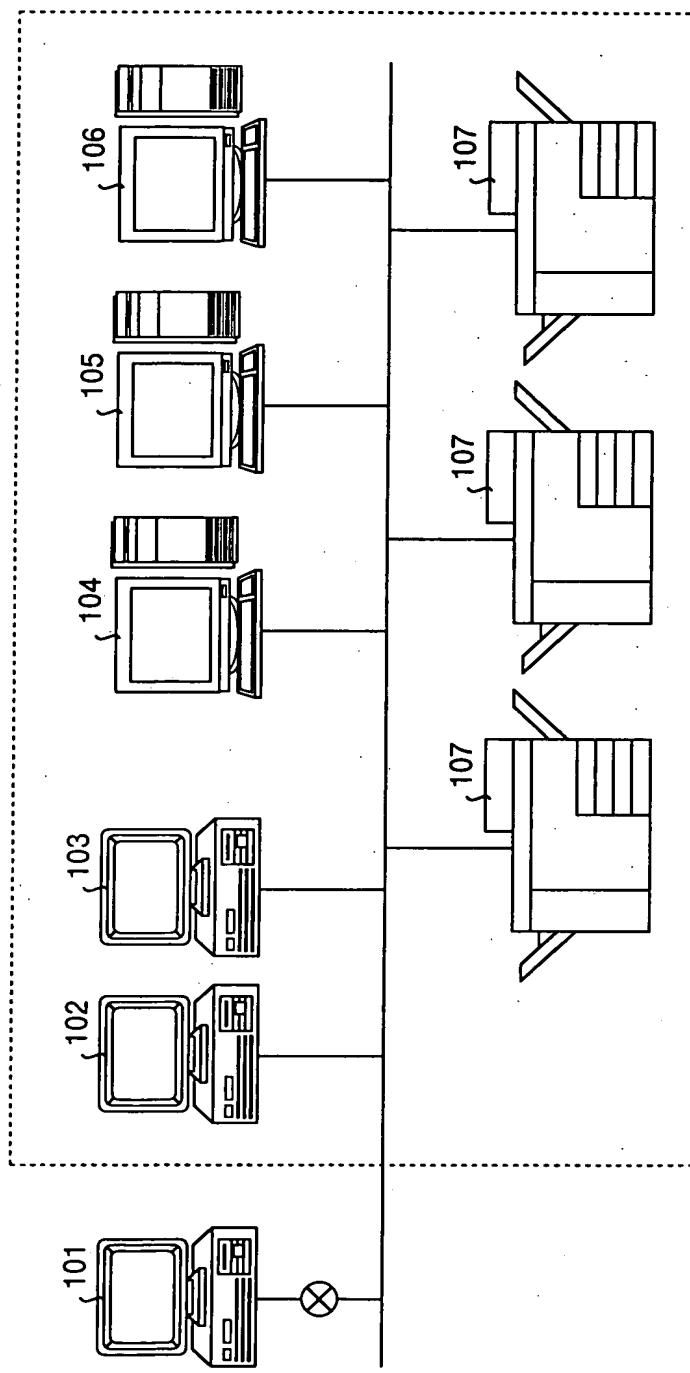
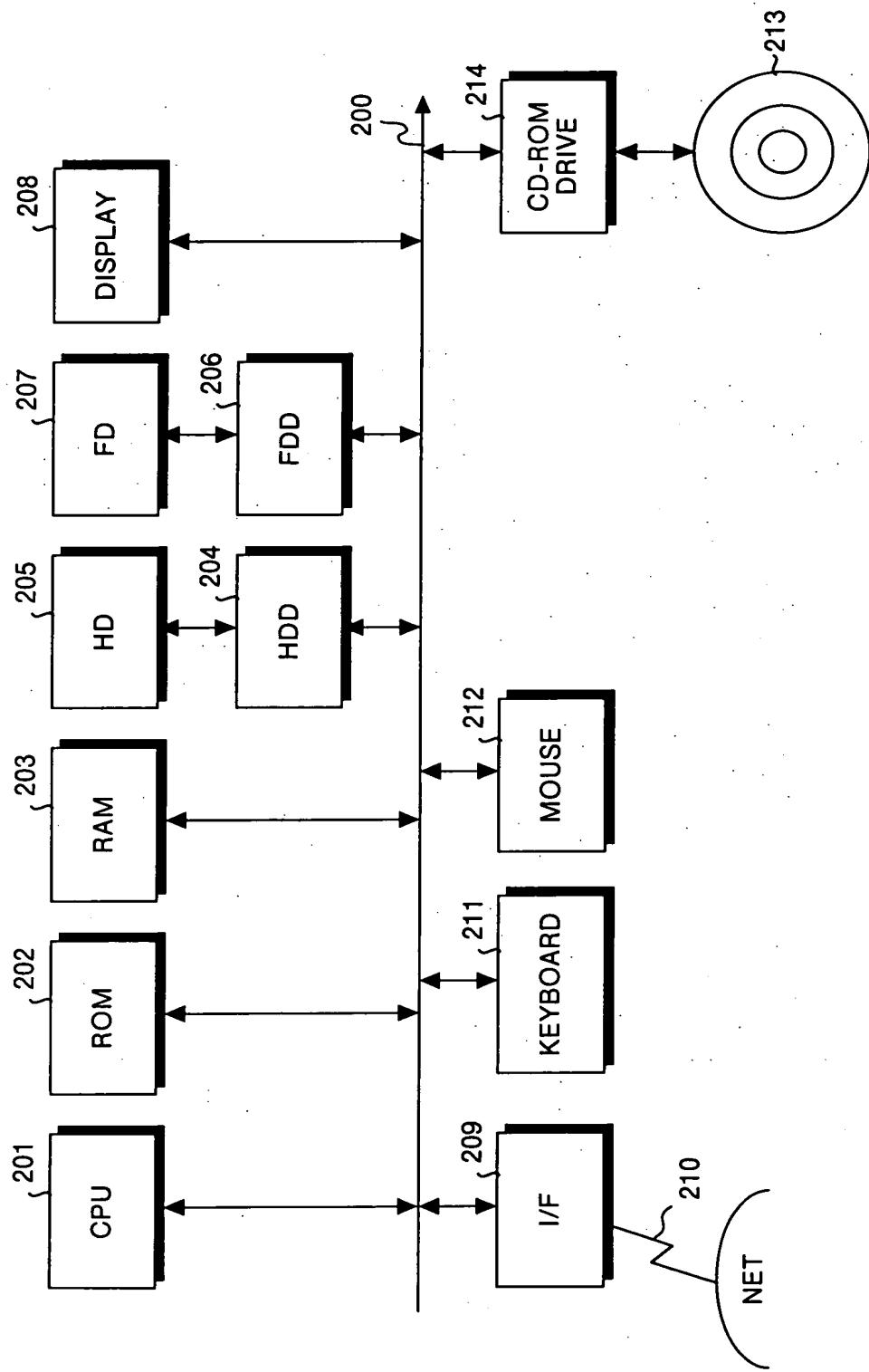
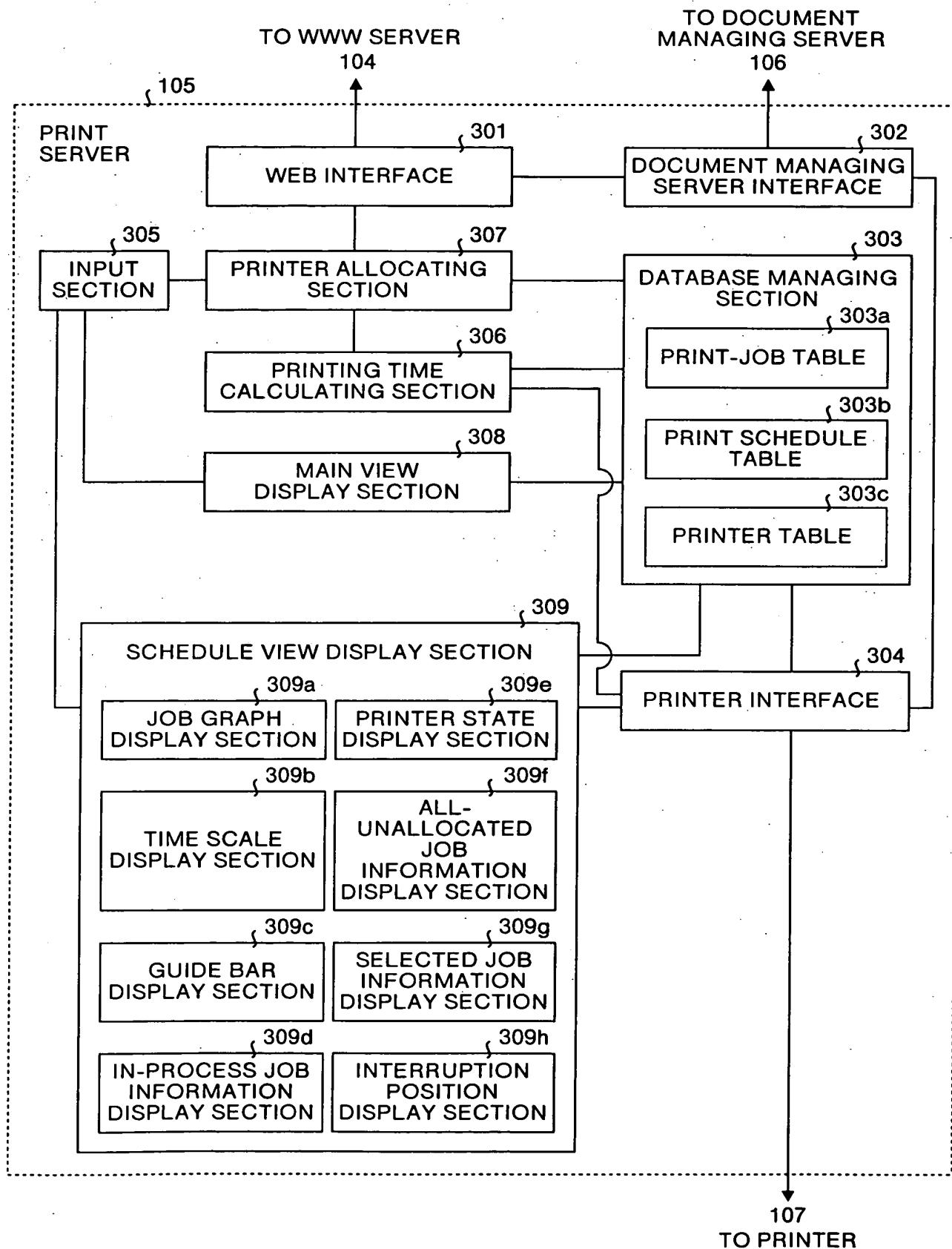


FIG.2



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FIG.3



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## FIG.4

ITEM ID	DATA TYPE	SIZE (BYTE)	DESCRIPTION
JID	TEXT	14	JOB ID (ID IS "J + SEVEN-DIGIT NUMERICAL VALUE")
UID	TEXT	8	USER'S ID
NUM	INTEGER	2	THE NUMBER OF SHEETS (1 TO 9999)
SIDE	BYTE	1	TWO-SIDED
PCOL	BYTE	1	PRINT COLOR
PAGE	INTEGER	2	THE NUMBER OF PAGES OF DOCUMENT (1 TO 9999)
SIZE	TEXT	2	PAPER SIZE
SCOL	TEXT	2	PAPER COLOR
QUAL	TEXT	2	PAPER QUALITY
SPCL	TEXT	2	SPECIAL PAPER
HCOL	TEXT	2	FRONT PAPER COLOR
STPL	TEXT	2	STAPLE
PLCE	TEXT	2	PLACE TO BIND
WAY	TEXT	2	BINDING METHOD
HOLE	TEXT	2	PUNCHING
SCDL	BYTE	1	SCHEDULE
SDATE	DATE/TIME	8	OUTPUT DATE AND TIME (EFFECTIVE ONLY WHEN DATE IS DESIGNATED)
COMM	TEXT	40	COMMENT
SAVE	BYTE	1	DESIGNATION OF SAVE OF DOCUMENT
LONG	DATE/TIME	8	TIME PERIOD OF SAVING
YEAR	INTEGER	2	YEARS OF SAVING
REPE	BYTE	1	REPEAT CLASSIFICATION
OJID	TEXT	14	PARENT JOB ID
RPDL	TEXT	35	FILE NAME (RPDL)
FILE	TEXT	35	FILE NAME
MID	TEXT	14	ESTIMATION ID
STT	DATE/TIME	8	START OF PROCESSING
END	DATE/TIME	8	COMPLETION OF PROCESSING
DATE	DATE/TIME	8	REGISTERED DATE AND TIME
PERI	INTEGER	2	PRECEDENCE
UFLG	TEXT	2	USER JOB STATE FLAG
KFLG	TEXT	2	MANAGER JOB STATE FLAG
DOCID	TEXT	45	DOCUMENT ID OF LIFISA
PNAME	TEXT	100	PRINTER NAME
OPAGE	INTEGER	2	THE NUMBER OF OUTPUT PAGES
ECPY	INTEGER	2	THE NUMBER OF OUTPUT SHEETS
DIVN	INTEGER	2	THE NUMBER OF DIVIDED JOBS
AMNY	LONG INTEGER	4	PRINTING COST (TOTAL)
MEANS	BYTE	1	OUTPUT STYLE
KCOMM	TEXT	128	MANAGER COMMENT

\* NOTES    '1' (49) PARALLEL PRINT  
'2' (50) COLLECTIVE PRINT (NORMAL)  
'3' (51) DEPUTY PRINT

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## FIG.5

ITEM ID	DATA TYPE	SIZE (BYTE)	DESCRIPTION
JID	TEXT	14	JOB ID (EIGHT-DIGIT) + SMALL JOB ID (SIX-DIGIT)
PRNT	TEXT	50	PRINTER NAME
STT	DATETIME	8	PRINT-START IMPOSED DATE
END	DATETIME	8	PRINT-COMPLETION IMPOSED DATE
SNO	INTEGER	2	STARTING PAGE NUMBER
NUM	INTEGER	2	THE NUMBER OF OUTPUT SHEETS
KFLG	TEXT	2	MANAGER JOB STATE FLAG *NOTE
TIME	INTEGER	2	PRINTING TIME

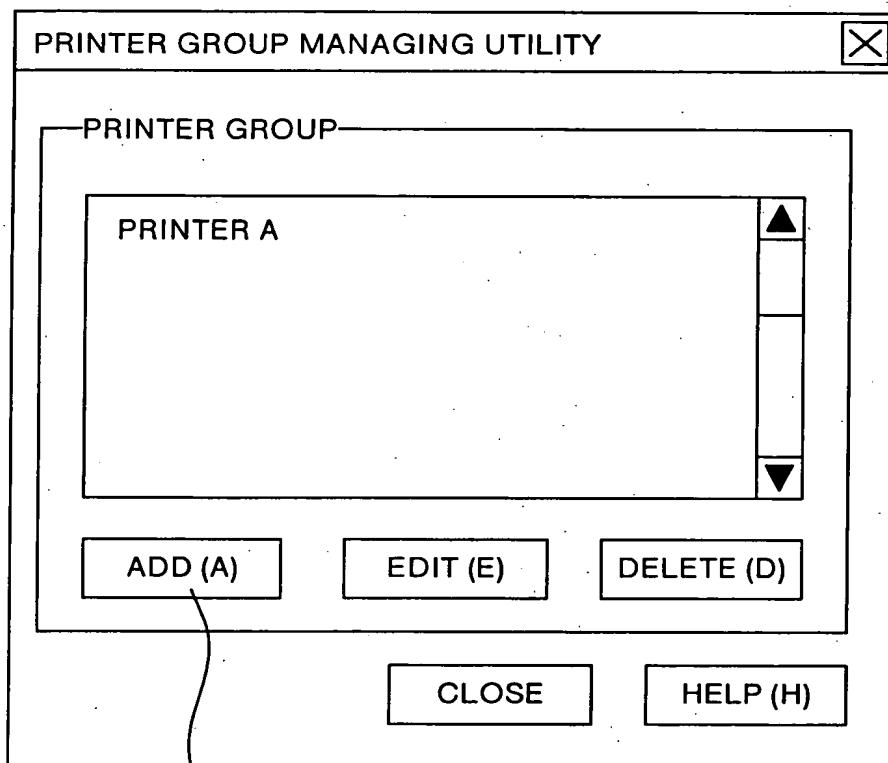
- \*NOTES    "01" PRINT STANDBY  
              "02" PRINTING  
              "03" STOPPING  
              "04" NOT ALLOCATED TO PRINTER (PENDING)  
              "05" PRINT COMPLETION  
              "06" PRINT CANCEL  
              "07" BOUND  
              "08" SENT  
              "09" COMPLETION OF PROCESSING  
              "99" PRINT ERROR

FIG. 6

GROUP NAME	PRINTER NAME	STATE	IP ADDRESS	OPERATION AT THE TIME OF RECEPTION	OPERATION AT THE TIME OF COMPLETION	DEPUTY PRINT	PARALLEL PRINT	COLOR PAGE
PRINTER A	PRINTER A1	READY	166.192.195.131	MANUAL AT THE TIME OF INPUT	DISPLAY COMPLETION SCREEN	MANUAL	30 SHEETS OR MORE	NOT USED
	PRINTER A2	READY	166.192.195.132	WARM UP				
	PRINTER A3	PAPER JAMMING	166.192.195.133					
	PRINTER A4	PAPER JAMMING	166.192.195.134					
PRINTER B	PRINTER B1	REPLENISH TONER	166.192.195.141	MANUAL AT THE TIME OF INPUT	DISPLAY COMPLETION SCREEN	AUTOMATIC	20 SHEETS OR MORE	USED
	PRINTER B2	READY	166.192.195.142					
	PRINTER B3	READY	166.192.195.143					
	:	:	:	:				

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## FIG.7



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## FIG.8

GROUP FORMING

DESIGNATE GROUP NAME AND PRINTER TO BE MANAGED

NAME OF GROUP (G) \_\_\_\_\_

PRINTER TO BE MANAGED (M) \_\_\_\_\_

PRINTER NAME	IP ADDRESS	STATE	INSTALLATION PLACE	COMMENT

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ADDABLE PRINTER (K)

PRINTER NAME	IP ADDRESS
PRINTER B1	166.192.195.141
PRINTER B2	166.192.195.142
PRINTER B3	166.192.195.143

DIRECTLY DESIGNATE BY IP ADDRESS (I)

## FIG.9

GROUP FORMING	
<p>● SET OPERATIONS WHEN JOB IS RECEIVED OR PRINT IS COMPLETED</p>	
<p>OPERATIONS WHEN JOB IS RECEIVED</p>	
<ul style="list-style-type: none"><li><input checked="" type="radio"/> ALLOCATE JOB ON JOB RECEIVING SCREEN (V)</li><li><input type="radio"/> ALLOCATE JOB AUTOMATICALLY (K)</li><li><input type="radio"/> ALLOCATE JOB IN LIST (L)</li></ul>	
<p>OPERATIONS WHEN PRINT IS COMPLETED</p>	
<ul style="list-style-type: none"><li><input checked="" type="checkbox"/> DISPLAY PRINT COMPLETION SCREEN (E)</li><li><input type="checkbox"/> DELETE JOB AUTOMATICALLY (D)</li></ul>	
<p>● SET DEPUTY/PARALLEL PRINT</p>	
<p><input checked="" type="checkbox"/> DEPUTY PRINT (T)</p> <ul style="list-style-type: none"><li><input type="radio"/> MANUAL DEPUTY PRINT (M)</li><li><input checked="" type="radio"/> AUTOMATIC DEPUTY PRINT (U)</li></ul>	<p><input checked="" type="checkbox"/> PARALLEL PRINT (R)</p> <p>THE NUMBER OF PRINTS (P)</p> <p>WHEN PRINTING ON <input type="text" value="20"/> </p> <p>OR MORE SHEETS</p>
<p>● SET COVER PAGE</p>	
<p><input checked="" type="checkbox"/> COVER PAGE IS USED (N)</p>	
<hr/> <p><input type="button" value="&lt; RETURN (B)"/> <input type="button" value="COMPLETE"/> <input type="button" value="CANCEL"/> <input type="button" value="HELP (H)"/></p>	

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## FIG.10

RECEPTION OF JOB		
RECEIVING TIME	2000/02/15 15:48	
NAME OF DOCUMENT	XX RECEIVED DOCUMENT	
THE NUMBER OF COPIES	300 COPIES	
A NEW JOB WAS INPUT. ALLOCATE PRINTER JOB.		
THE NUMBER OF UNALLOCATED COPIES : 240		
PRINTER NAME	STATE	THE NUMBER OF ALLOCATED COPIES
[ ] PRINTER A1	STOP	30
[ ] PRINTER A2	OPERATING	30
AVERAGING (V)	RELEASE ALLOCATION (S)	
<hr/>		
< RETURN (B)	NEXT (N) >	CANCEL
{ 1001                  1002 }		HELP (H)

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## FIG.11

RECEPTION OF JOB	
RECEIVING TIME	2000/02/15 15:48
NAME OF DOCUMENT	XX RECEIVED DOCUMENT
THE NUMBER OF COPIES	300 COPIES
SET CONDITION OF JOB	
PRECEDENCE (P)	<input checked="" type="checkbox"/> 3 LOW  HIGH
COVER PAGE	<input type="checkbox"/> COVER PAGE IS USED
<hr/> <div style="text-align: center;"><span>&lt; RETURN (B)</span> <span>COMPLETE</span> <span>CANCEL</span> <span>HELP (H)</span></div>	

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FIGURE

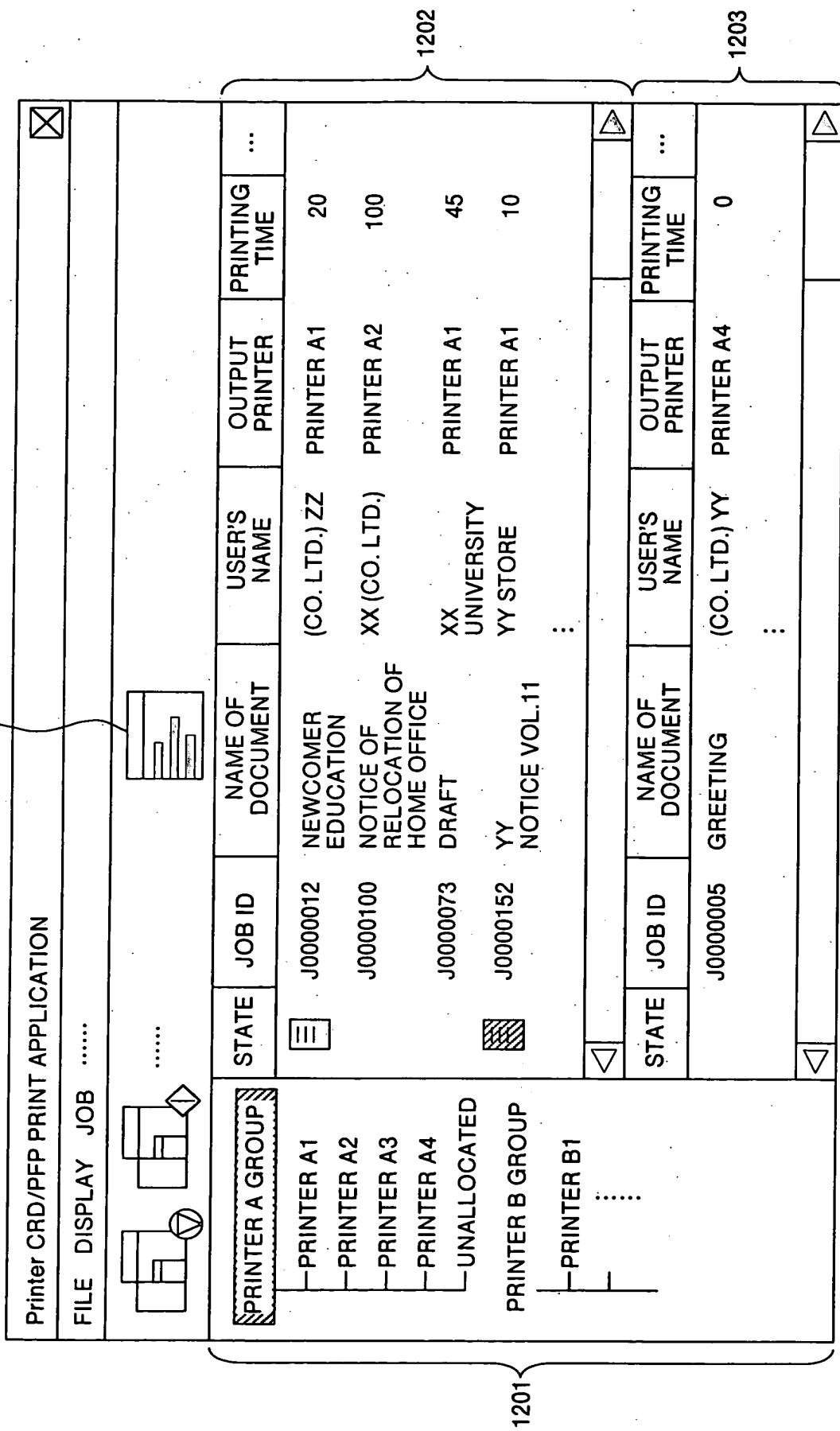
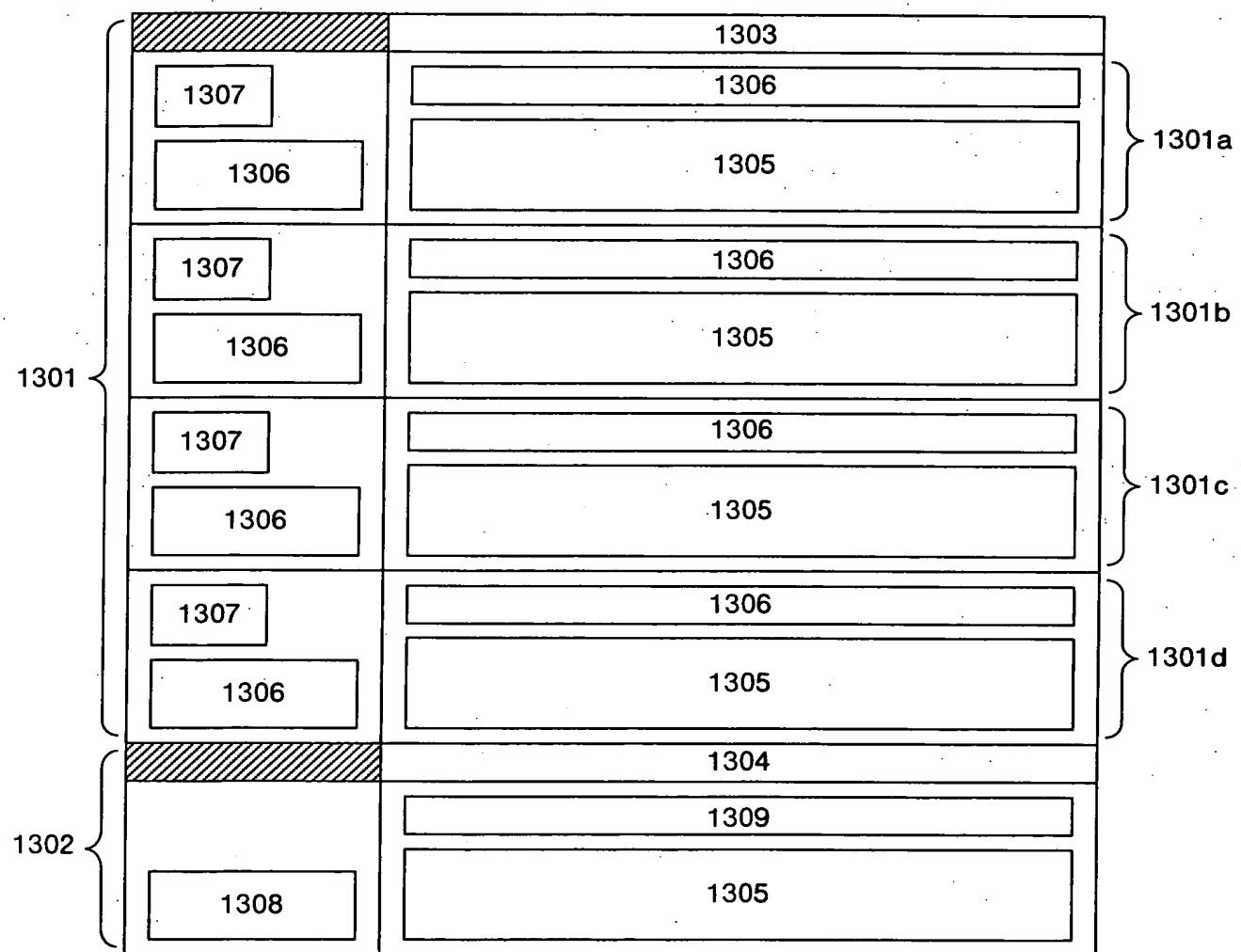


FIG.13



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Printer CRD/PFP SCHEDULE VIEW																																					
FILE	DISPLAY JOB .....																																				
	...																																				
1411	<b>PRINTER A GROUP</b> ▼ 1413																																				
1407	<table border="1"> <tr> <td>0</td><td>60</td><td>120</td><td>180</td><td>240</td><td>300</td> </tr> <tr> <td>NAME OF DOCUMENT: NEWCOMER EDUCATION MANUAL</td><td>USER'S NAME: (CO. LTD.)</td><td>MEMO: TT</td><td></td><td></td><td></td></tr> <tr> <td>PRINT A1</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>JOB ID : J00000012</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PROGRESS STATE : 650/1000</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>OUTPUT STYLE : COLLECTIVE</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	0	60	120	180	240	300	NAME OF DOCUMENT: NEWCOMER EDUCATION MANUAL	USER'S NAME: (CO. LTD.)	MEMO: TT				PRINT A1						JOB ID : J00000012						PROGRESS STATE : 650/1000						OUTPUT STYLE : COLLECTIVE					
0	60	120	180	240	300																																
NAME OF DOCUMENT: NEWCOMER EDUCATION MANUAL	USER'S NAME: (CO. LTD.)	MEMO: TT																																			
PRINT A1																																					
JOB ID : J00000012																																					
PROGRESS STATE : 650/1000																																					
OUTPUT STYLE : COLLECTIVE																																					
1406	<table border="1"> <tr> <td>0</td><td>60</td><td>120</td><td>180</td><td>240</td><td>300</td> </tr> <tr> <td>NAME OF DOCUMENT: NOTICE OF RELOCATION OF HOME OFFICE</td><td>USER'S NAME: XX (CO. LTD.)</td><td>MEMO: URGENT</td><td></td><td></td><td></td></tr> <tr> <td>PRINT A2</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>JOB ID : J00000100</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	0	60	120	180	240	300	NAME OF DOCUMENT: NOTICE OF RELOCATION OF HOME OFFICE	USER'S NAME: XX (CO. LTD.)	MEMO: URGENT				PRINT A2						JOB ID : J00000100																	
0	60	120	180	240	300																																
NAME OF DOCUMENT: NOTICE OF RELOCATION OF HOME OFFICE	USER'S NAME: XX (CO. LTD.)	MEMO: URGENT																																			
PRINT A2																																					
JOB ID : J00000100																																					
1401	<table border="1"> <tr> <td>0</td><td>60</td><td>120</td><td>180</td><td>240</td><td>300</td> </tr> <tr> <td>NAME OF DOCUMENT: 991123</td><td>USER'S NAME: XX (LIMITED COMPANY)</td><td>MEMO:</td><td></td><td></td><td></td></tr> <tr> <td>PRINT A4</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>JOB ID : J0000055</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>PROGRESS STATE : 1514/2030</td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>OUTPUT STYLE : PARALLEL</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	0	60	120	180	240	300	NAME OF DOCUMENT: 991123	USER'S NAME: XX (LIMITED COMPANY)	MEMO:				PRINT A4						JOB ID : J0000055						PROGRESS STATE : 1514/2030						OUTPUT STYLE : PARALLEL					
0	60	120	180	240	300																																
NAME OF DOCUMENT: 991123	USER'S NAME: XX (LIMITED COMPANY)	MEMO:																																			
PRINT A4																																					
JOB ID : J0000055																																					
PROGRESS STATE : 1514/2030																																					
OUTPUT STYLE : PARALLEL																																					
1404	<table border="1"> <tr> <td>0</td><td>60</td><td>120</td><td>180</td><td>240</td><td>300</td> </tr> <tr> <td>NAME OF DOCUMENT: 20000402</td><td>USER'S NAME: XYZ</td><td>MEMO:</td><td></td><td></td><td></td></tr> <tr> <td>UNALLOCATED</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	0	60	120	180	240	300	NAME OF DOCUMENT: 20000402	USER'S NAME: XYZ	MEMO:				UNALLOCATED																							
0	60	120	180	240	300																																
NAME OF DOCUMENT: 20000402	USER'S NAME: XYZ	MEMO:																																			
UNALLOCATED																																					
1402	TOTAL NUMBER : 4																																				
1408	TOTAL SHEETS : 2432																																				

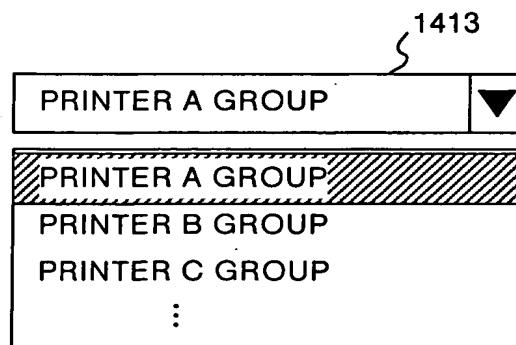
FIG.14

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## FIG.15

	JOB WHICH IS BEING PRINTED
	COLLECTIVE PRINT JOB & UNALLOCATED JOB
	PARALLEL PRINT JOB
	DEPUTY PRINT JOB
	PENDING JOB
	STOPPED JOB
	ERROR JOB

## FIG.16



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## FIG.17

- 
- |   |                       |
|---|-----------------------|
|    | CALL SERVICE          |
|    | OTHER ERROR           |
|    | DOOR OPEN             |
|    | PAPER JAMMING         |
|   | REPLENISH PAPER       |
|  | READY                 |
|  | STOP                  |
|  | REPLENISH TONER       |
|  | WARM UP               |
|  | NO RESPONSE           |
|  | OFFLINE               |
|  | ENERGY<br>SAVING MODE |
-

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FIG.18

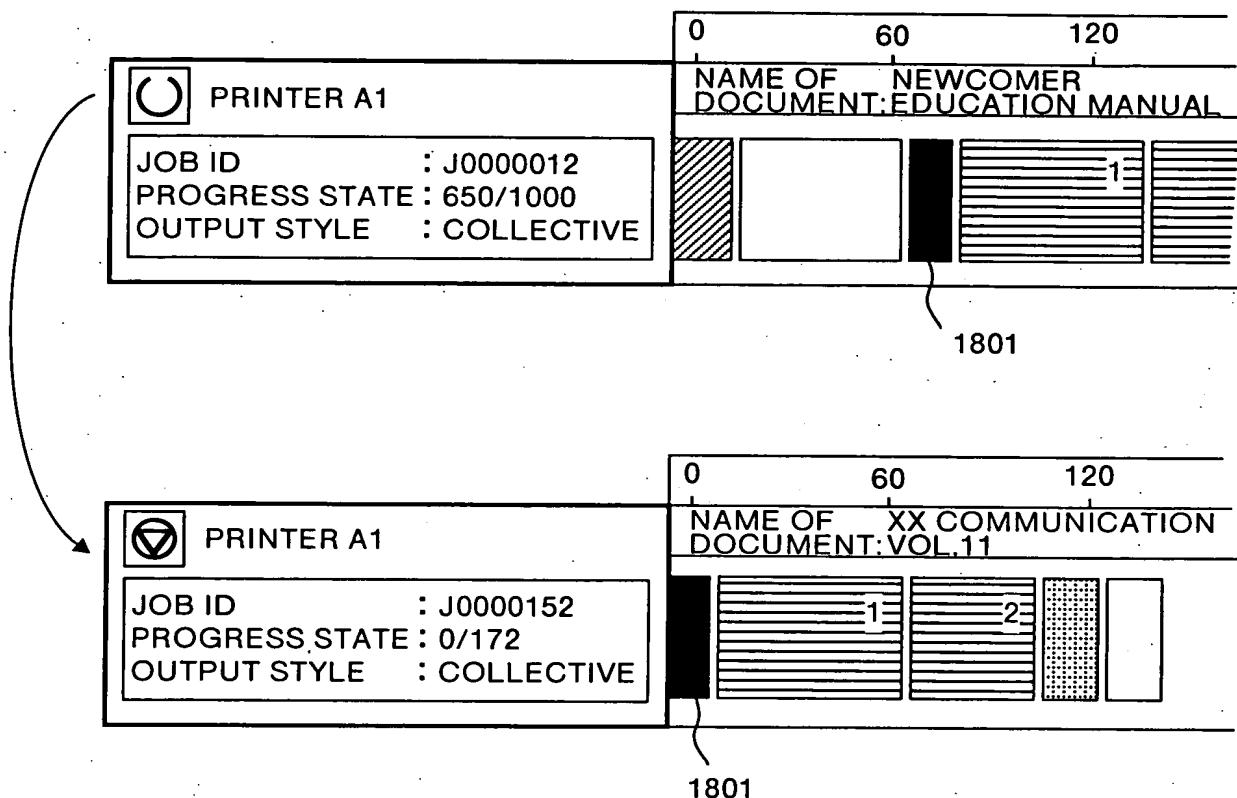


FIG.19

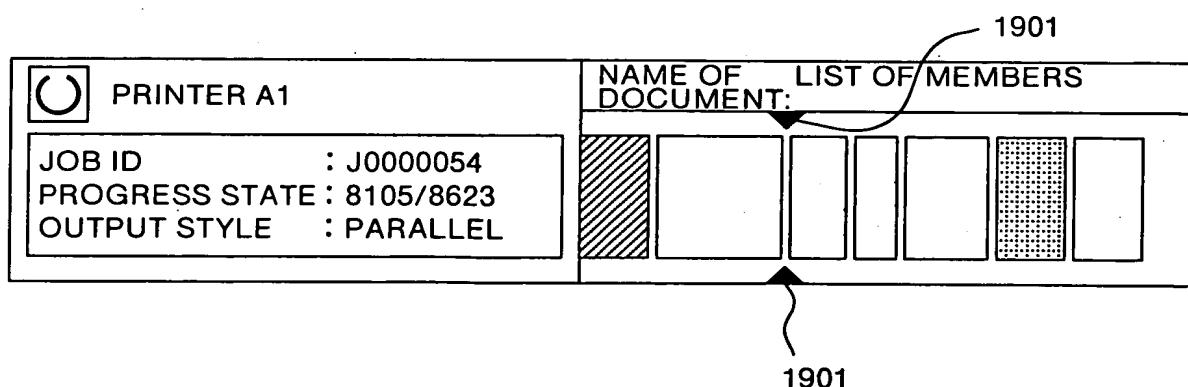
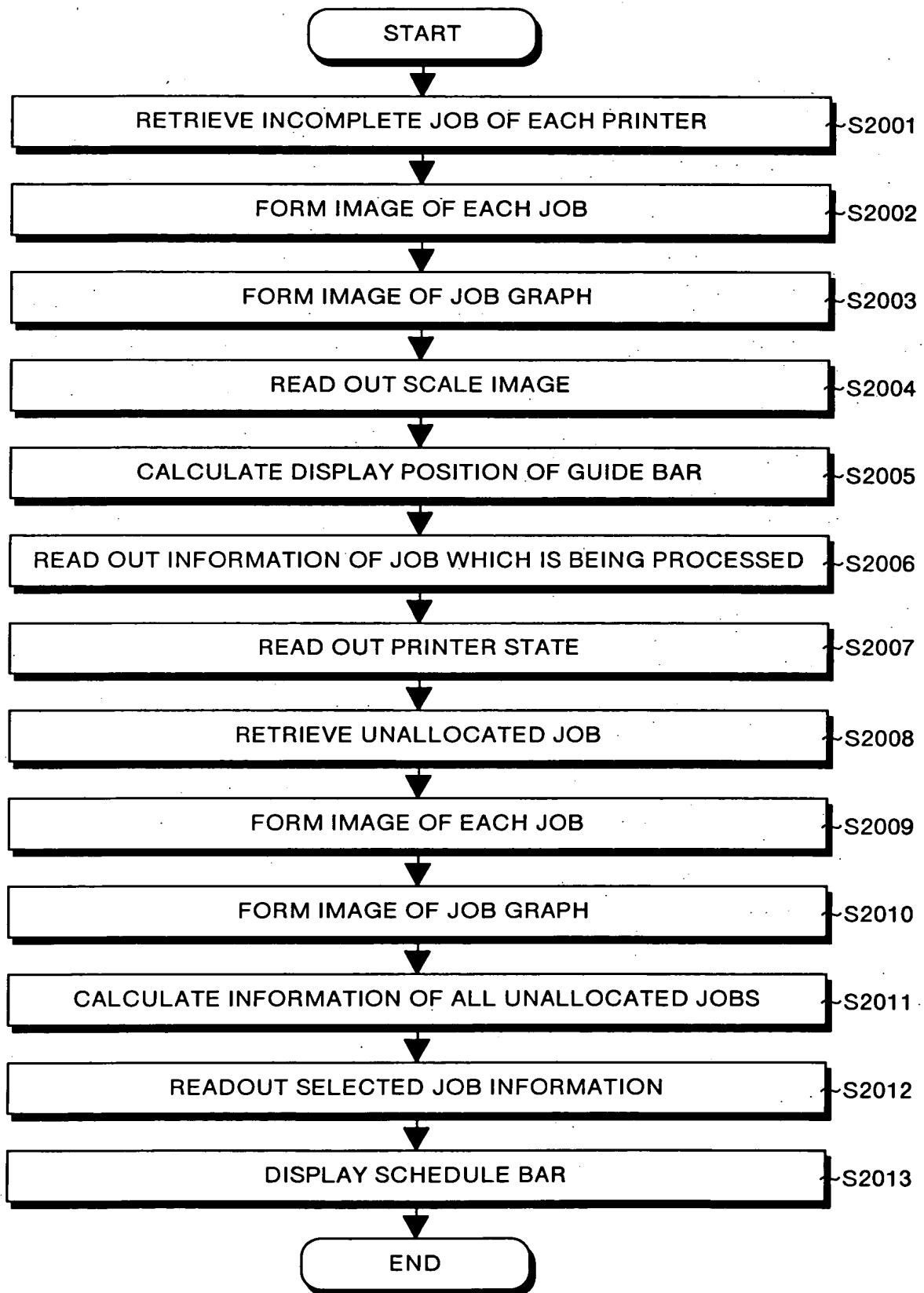


FIG.20



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FIG.21

PRINT-JOB LIST						
STATE	JOB ID	NAME OF DOCUMENT	USER'S NAME	OUTPUT PRINTER	FILE SIZE	NUMBER OF COPIES
BEING PRINTED	J0000023	REUNION MEMBER LIST	XX UNIVERSITY	ORANGE	120k	1520
ON STANDBY	J0000049	SEMINAR TEXT	(CO. LTD.) YY	MELON	96k	100
ON STANDBY	J0000102	OPERATION MANUAL	(CO. LTD.) ZZ	ORANGE	532k	2250
						...